

Youngkil Song

INTEGRATED M.S & PH.D STUDENT @ COMPUTER VISION LAB.

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Research Interests

Computer Vision and Deep Learning

- Video Understanding
- Online Temporal Action Localization
- Video Group Activity Detection

Education

POSTECH(Pohang University of Science and Technology)

Pohang, S. Korea

INTEGRATED M.S & PH.D STUDENT IN ARTIFICIAL INTELLIGENCE

Mar. 2022 - Present

- Advisor: Prof. Suha Kawk
- Cumulative GPA: - (4.13) / 4.3

Hanyang University

Seoul, S. Korea

B.S. IN ELECTRONIC ENGINEERING

Mar. 2016 - Feb. 2022

- Advisor: Prof. Seongho Cho
- Cumulative GPA: 4.39 / 4.5

Experience

Business Intelligence & Strategy Lab, Hanyang University

Seoul, S. Korea

UNDERGRATED RESEARCHER

Mar. 2021 - Sep. 2021

- Develop a radar-based device that measures sleep quality and provides personalized sleep diagnoses for each user with an accumulated checklist consisting of factors affecting individual sleep.
- Mentor: Seongho Cho

Publication

• Online Temporal Action Localization with Memory-augmented Transformer

2024

YOUNGKIL SONG*, DONGKEUN KIM*, MINSU CHO, AND SUHA KWAK

In Proc. of IEEE/CVF European Conference on Computer Vision (ECCV 2024)

• Towards More Practical Group Activity Detection: A New Benchmark and Model

2024

DONGKEUN KIM, YOUNGKIL SONG, MINSU CHO, AND SUHA KWAK

In Proc. of IEEE/CVF European Conference on Computer Vision (ECCV 2024)

• Improving Sound Source Localization with Joint Slot Attention on Image and Audio

2025

INHO KIM, YOUNGKIL SONG, JICHEOL PARK, WON HWA KIM, AND SUHA KWAK

IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR 2025)

Patent

• Memory-augmented Transformer Network for Online Temporal Action Localization

2023

YOUNGKIL SONG*, DONGKEUN KIM, MINSU CHO, SUHA KWAK

Korean Patent, KR10-2023-0177837

Honors & Awards

2016 Excellence Prize, Hanyang University	Seoul, S. Korea
2016 Academic Excellence Scholarship, Hanyang University	Seoul, S. Korea
2017 Excellence Prize, Hanyang University	Seoul, S. Korea
2017 Academic Excellence Scholarship, Hanyang University	Seoul, S. Korea
2020 Excellence Prize, Hanyang University	Seoul, S. Korea
2020 Hanyang Academic Top Prize, Hanyang University	Seoul, S. Korea
2020 National Science & Technology Scholarship, Republic of Korea	Seoul, S. Korea
2021 Excellence Prize, Hanyang University	Seoul, S. Korea
2021 Hanyang Academic Top Prize, Hanyang University	Seoul, S. Korea
2021 National Science & Technology Scholarship, Republic of Korea	Seoul, S. Korea
2022 X-Vision: Image Recognition in Extreme Environments, Samsung Future Technology Development	Seoul, S. Korea

Reviewer

- Asian Conference on Computer Vision (ACCV): 2024
- Women in Computer Vision Workshop @ ACCV (ACCV): 2024

Teaching Experience

- **Teaching Assistant in POSTECH**
CSE101, Programming Language (Fall 2023)